

TSINGHUA UNIVERSITY

ACADEMIC TRANSCRIPT

Student Name Liao Chen

Gender Male **Student No.** 2008010865 **Student Type** Undergraduate **Date of Admission** August, 2008

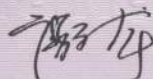
School/Department Department of Industrial Engineering **Major** Industrial Engineering

Course Number	Course Title	Credit	Grade	Year-Semester
12090043	Military Theory and Skill Training	3	91	2008-Autumn
00780451	Photography Appreciation	1	Pass	2008-Autumn
10420684	Linear Algebra and Analytic Geometry(1)	4	96	2008-Autumn
10420743	Calculus(1)	3	83	2008-Autumn
10440012	General Chemistry B	2	83	2008-Autumn
10610183	Ideological Moral and Legal Education	3	85	2008-Autumn
10640622	English Listening/Speaking(3)	2	Pass	2008-Autumn
10720011	Physical Education(1)	1	76	2008-Autumn
20130423	Fundamentals of Machine Design A(1)	3	92	2008-Autumn
20740042	Fundamentals of Computer Literacy	2	Distinction	2008-Autumn
30160012	Introduction to Industrial Engineering	2	85	2008-Autumn
S1510021	Exploration to Scientific Research of Lab (1)	1	Pass	2008-Autumn
00150011	Road and Safety	1	Pass	2009-Spring
02070122	Know About Business	2	93	2009-Spring
10420692	Linear Algebra and Analytic Geometry(2)	2	93	2009-Spring
10420753	Calculus(2)	3	86	2009-Spring
10430484	Physics for Scientists and Engineers B(1)	4	86	2009-Spring
10610193	Outline of Modern Chinese History	3	92	2009-Spring
10720021	Physical Education(2)	1	67	2009-Spring
20310314	Engineering Mechanics A	4	90	2009-Spring
20740073	Fundamentals of Computer Software Techniques	3	Distinction	2009-Spring
S1510031	Exploration to Scientific Research of Lab (2)	1	Pass	2009-Spring
02070212	National consciousness and the responsibility of youth	2	Pass	2009-Summer
21510123	Manufacturing Process Practice B(Concentrated)	3	85	2009-Summer
30160172	Basic Industrial Engineering Skills	2	88	2009-Summer
00680092	The Special Subject Study On Life Philosophy	2	86	2009-Autumn
20750021	Literature Searching and Utilization(Sci-Tech)	1	Distinction	2009-Autumn
00800032	History of Chinese Arts and Crafts	2	81	2009-Autumn
10420764	Calculus(3)	4	77	2009-Autumn
10430494	Physics for Scientists and Engineers B(2)	4	89	2009-Autumn
10430782	Lab. of Physics A(1)	2	93	2009-Autumn
10610204	Principle of Marxist Philosophy	4	89	2009-Autumn
10720031	Physical Education(3)	1	71	2009-Autumn
20130463	Fundamentals of Machine Design A(2)	3	90	2009-Autumn
30160112	Essentials of Management	2	85	2009-Autumn
00612522	psychology and life	2	89	2010-Spring
00740143	Programming in Visual Basic	3	99	2010-Spring
02070012	Introduction to the Communist Party of China	2	Pass	2010-Spring
10430792	Lab. of Physics A(2)	2	88	2010-Spring
10610224	Introduction to Mao Zedong Thoughts and Theoretical System of Socialism with Chinese Characteristic	4	90	2010-Spring
10720041	Physical Education(4)	1	63	2010-Spring
30160023	Operations Research(1)	3	85	2010-Spring
30160103	Applied Statistics and Probability for Engineers	3	95	2010-Spring
30160133	Fundamentals of Modern Manufacturing	3	89	2010-Spring

Total Credits: 194.0 **Date of Graduation:** July, 2012

Degree Conferred: Bachelor of Engineering

Director of Registration Office:



Official Seal:

Date Printed: December 2, 2013

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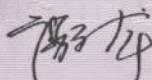
School/Department Department of Industrial Engineering **Major** Industrial Engineering

Course Number	Course Title	Credit	Grade	Year-Semester
30160143	Data Structures and Algorithms	3	86	2010-Spring
31510082	Practice of Industrial System	2	Pass	2010-Summer
40160573	Introduction to Modern Manufacturing System and Its Experiment	3	92	2010-Summer
00612261	Liberal Education Lectures(1)	1	Distinction	2010-Autumn
03050011	Health and Care	1	100	2010-Autumn
10720110	Physical Education(1)	0	73	2010-Autumn
20220044	Electrical Engineering and Applied Electronics	4	88	2010-Autumn
30160123	Database System Concepts	3	86	2010-Autumn
30160152	Engineering Economy	2	90	2010-Autumn
30160162	Operations Research(2)	2	82	2010-Autumn
40160083	Modeling and Simulation	3	94	2010-Autumn
40160323	Fundamentals of Human Factors	3	88	2010-Autumn
42540023	Students Research Training	3	98	2011-Spring
10640764	English Level Test I	4	82	2011-Spring
10720120	Physical Education(2)	0	62	2011-Spring
40160052	Facilities Planning and Material Flow Analysis	2	95	2011-Spring
40160092	Production Planning and Control	2	92	2011-Spring
40160183	Production Automation and Manufacturing Systems	3	87	2011-Spring
40160203	Quality Control and Management	3	87	2011-Spring
40160243	Management Information System	3	89	2011-Spring
40160413	Modern Human Factors	3	95	2011-Spring
40160442	Experimental Design	2	98	2011-Spring
42540182	Student Research Training for student-initiated project	2	98	2011-Spring
40160483	Production System Practice(2)	3	94	2011-Summer
40160492	Production System Practice(1)	2	94	2011-Summer
40160282	Project Management	2	Distinction	2011-Autumn
40160432	Business Communication	2	97	2011-Autumn
40160532	Reliability Engineering and Equipment Management	2	91	2011-Autumn
40160652	Logistics & Supply Chain Management	2	90	2011-Autumn
40160392	Product Development Technology and Management	2	80	2011-Autumn
40160614	Industrial Engineering Project	4	95	2011-Autumn
40160130	Diploma Project(Thesis)	15	93	2012-Spring

Total Credits: 194.0 **Date of Graduation:** July, 2012

Degree Conferred: Bachelor of Engineering

Director of Registration Office:




Official Seal:

Date Printed: December 2, 2013

TSINGHUA UNIVERSITY ACADEMIC TRANSCRIPT

Student Name Liao Chen

Gender Male

Student No. 2008010865

School/Department Department of Computer Science and
Technology

Minor Subject Computer Technology and Application

Course Number	Course Title	Credit	Grade	Year-Semester
00740123	JAVA and Object-Oriented Programming	3	Pass	2009-Autumn
00240042	Introduction of Artificial Intelligence	2	99	2010-Autumn
00240053	Discrete Mathematics in Computer Science A	3	84	2010-Autumn
00740103	Modern Operating Systems	3	Pass	2010-Autumn
00240074	Data Structure	4	84	2011-Spring
00240033	Software Engineering	3	98	2011-Autumn
00240094	Computer Organization and Architecture	4	97	2012-Spring
00740023	Design and Realization of Multimedia	3	Distinction	2012-Spring

Director of Registration Office:

Total Credits: 25.0

Official Seal: 注册中心

Date Printed: December 2, 2013

成绩单简要说明

1. 课程编号由 8 位字符组成，首字符表示其课程类型：
0-5 或 H-T 为本科生课程；6-9、A-G 或 U-Z 为研究生课程
 2. 课程成绩记载类型：
 - (1) 百分制：满 60 分为及格，取得课程学分
 - (2) 优秀、通过、不通过（适用于本科生）：优秀、通过，取得课程学分
 - (3) 通过、不通过（适用于研究生）：通过，取得课程学分
 - (4) 免修：本科生免修课程可取得课程学分
研究生免修课程或环节可取得相应学分或者免修但学分为 0
 - (5) 重修：在成绩单中只记载最新一次重修成绩，并标注“重 n”表示重修 n 次
 3. 学分：原则上课内 16 学时记为 1 学分
 4. 成绩数据以“*****”表示结束
 5. 毕业年月和学位：毕业前，毕业年月处空白，获得学位处为“*****”
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KEY TO TRANSCRIPT

1. COURSE NUMBERING SYSTEM

Each course number consists of 8 characters.

The first character indicates the course level:

0-5 or H-T = undergraduate courses

6-9, A-G or U-Z = graduate courses

2. GRADING SYSTEMS

(1) 100-POINT SYSTEM

Credits are given for 60 points and above.

(2) DISTINCTION/PASS/FAILURE SYSTEM (for undergraduate students)

Credits are given for DISTINCTION and PASS.

(3) PASS/FAILURE SYSTEM (for graduate students)

Credits are given for PASS.

(4) EXEMPTION

Undergraduate students obtain credits for exempted courses.

Graduate students may or may not obtain credits for exempted courses.

(5) REPEATED COURSE

The transcript displays only the latest result of a repeated course.

Repeated courses are designated with an “Rn” code, where “n” indicating the number of times the course was repeated.

3. CREDIT

Credit is basically reported in terms of semester hours, whether earned during a 16-week semester or a summer session. For 1 unit of credit, approximately one hour per week is allotted to lecture or discussion and more hours for preparation or subsequent reading and study.

4. THE RECORD ENDS WITH *****.

5. DATE OF GRADUATION and DEGREE CONFERRED

For currently enrolled students, the column of DATE OF GRADUATION is blank and the column of DEGREE CONFERRED is *****.

清华大学注册中心

Office of Registration, Tsinghua University
Beijing 100084
P. R. China
E-mail: zczx@mail.tsinghua.edu.cn